

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION**

**TENTATIVE MONITORING AND REPORTING PROGRAM NO. R9-2004-0065
NPDES PERMIT NO. CA0109207**

**WASTE DISCHARGE REQUIREMENTS
FOR
VAN OMMERING DAIRY
SAN DIEGO COUNTY**

PURPOSE

This monitoring program is intended to:

- a. Determine compliance with National Pollutant Discharge Elimination System (NPDES) permit terms and conditions.
- b. Determine compliance with water quality objectives and document short-term and long-term effects of the discharge on biota.

A. MONITORING PROVISIONS

1. Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this monitoring program and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of this Regional Board. Samples shall be collected at times representative of "worse case" conditions with respect to compliance with the requirements this Order.
2. Monitoring must be conducted according to United States Environmental Protection Agency (U.S. EPA) Title 40 of the Code of Federal Regulations (CFR) Part 412, Effluent Limitations Guidelines for Confined Animal Feeding Operations (CAFO) Point Source Category, and test procedures approved under 40 CFR Part 136, *Guidelines Establishing Test Procedures for the Analysis of Pollutants*, as amended, unless other test procedures have been specified in this Order and/or in this Monitoring and Reporting Program.
3. If the discharger monitors any pollutants more frequently than required by Order No. R9-2004-0065 or by this monitoring and reporting program, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the discharger's monitoring report. The increased frequency of monitoring shall also be reported.
4. The discharger shall retain records of all monitoring information, including all calibration and maintenance records, copies of all reports required by Order No. R9-2004-0065 and

this monitoring and reporting program, and records of all data used to complete the application for Order No. R9-2004-0065. Records shall be maintained for a minimum of five years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by this Regional Board or the U.S. EPA.

5. Records of monitoring information shall include:
 - a. The date, exact location, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The name(s) of the laboratory and individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
6. Calculations for all limitations that receive averaging of measurements shall utilize an arithmetic mean unless otherwise specified in Order No. R9-2004-0065 or this monitoring and reporting program.
7. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices.
8. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by this Regional Board.
9. The discharger shall report all instances of noncompliance not reported under *Reporting Requirement E.6* of Order No. R9-2004-0065 at the time monitoring reports are submitted. The reports shall contain the information listed in *Reporting Requirement E.6*.
10. Monitoring results shall be reported at intervals and in a manner specified in Order No. R9-2004-0065 or in this Monitoring and Reporting Program.
11. This Regional Board, as appropriate, may modify this Monitoring and Reporting Program.

B. COMPLIANCE REPORT

The discharger shall submit an annual compliance report for the period of November 1 to October 31. The compliance report shall be submitted on copies of the Annual Self-Monitoring Report Forms supplied by this Regional Board (*Appendix I*). The compliance report must include:

1. The current address of the facility and of the owner.
2. The maximum herd size during the year.
3. The total quantity of manure produced during the year and how the manure was disposed of during the year as of October 31.
4. A certification statement as required by *Reporting Requirements E.9.d* of the Order.
5. A description of any changes to the waste collection, management, or disposal system.
6. A ground water analyses from the designated well.
7. A discussion of the dairy's compliance with the Facility Operation and Design Requirements, Proper Operation, Manure and Wastewater Management, Retention Pond, Flood Protection and Surface Drainage contained in Order No. R9-2004-0065. The discussion shall include any pertinent information and describe any additional management measures or corrective actions taken or planned to achieve full compliance with the waste discharge requirements.

C. RECEIVING WATER MONITORING

1. Core Monitoring

- a. To determine compliance with water quality objectives in the underlying aquifer, ground water monitoring must be conducted down gradient of the discharge within 0.5 miles of the wastewater storage pond. Ground water monitoring must be conducted according to the following procedures unless this Regional Board approves alternative procedures:
 - i. The well must be pumped for a minimum of three volumes of the well casing before the sample is taken. If the well casing volume is not known, then three hundred gallons must be pumped before a sample is taken.

- ii. The grab sample must be collected in a container approved by the laboratory doing the analysis. The containers must be suitable for collecting nitrate and total dissolved solids samples.
- iii. The samples must be preserved in a container cooled to 4° Celsius (40° Fahrenheit).
- iv. The sample must be analyzed within seven days from the time the sample was taken.
- v. The sample must be taken each year during September 1st and October 31st.
- vi. The ground water sample shall not be diluted by any other waste stream, body of water, or substance.

- b. The following shall constitute the core ground water monitoring station:

STATION	DESCRIPTION
1	Van Ommering Well # 1

- c. A grab sample is an individual sample of at least 100 milliliters collected at a randomly selected time over a period not exceeding 15 minutes. Ground water grab samples from the monitoring well shall be analyzed for the following constituents:

CONSTITUENTS	UNIT	SAMPLING FREQUENCY
Ground water Elevation ¹	feet	Annual
pH	pH units	Annual
Total Dissolved Solids	mg/L	Annual
Nitrate (N)	mg/L	Annual
Phosphorus	mg/L	Annual
Sodium	mg/L	Annual

¹ The ground water elevation shall be measured prior to purging the wells. Elevations shall be measured to the nearest one-hundredth of a foot from mean sea level.

2. Regional Watershed Monitoring

The discharger shall participate and coordinate with state and local agencies and other dischargers in the San Diego Region in development and implementation of a regional watershed monitoring program for the San Diego River Watershed as directed by the Regional Board. The intent of a regional watershed monitoring program is to maximize the efforts of all monitoring partners using a more cost-effective monitoring design and to best utilize the pooled resources of the region. During a coordinated watershed sampling

effort, the discharger's sampling and analytical effort may be reallocated to provide a regional assessment of the impact of discharges to the watershed.

3. Special Studies

Special studies are intended to be short-term and designed to address specific research or management issues that are not addressed by the routine core monitoring program. The discharger shall implement special studies as directed by the Regional Board.

D. MANURE MONITORING

Annually, the discharger shall analyze manure for nutrient content (nitrogen and phosphorus) and submit the results in the annual report. Records of manure transferred to other persons have to be kept for at least five years on the date, recipient, amount, and nutrient content of the manure transferred. Information about the nutrient content of manure must be given to the recipient.

E. MANURE MANIFESTS

Annually, the discharger shall submit the latest manure manifest for manure hauled offsite.

F. SOIL MONITORING

Once every five years the discharger shall analyze the soil from the land application fields for phosphorus and submit the results in the annual monitoring report.

G. NUTRIENT MANAGEMENT PLAN

A Nutrient Management Plan (*Attachment B* of the Order) shall be submitted within one year after the adoption of Order No. R9-2004-0065.

Annually, the discharger shall submit updates and changes made to the Nutrient Management Plan with the annual report. The discharger shall state in the annual report if no changes were made to the plan.

H. REPORTING SCHEDULE

Monitoring results shall be reported at intervals and in a manner specified in Order No. 2004-0065 and in this monitoring and reporting program. Monitoring reports shall be

submitted to this Regional Board and to U.S. EPA Region 9 according to the following schedule:

REPORTING PERIOD	MONITORING FREQUENCY	REPORT DUE
November 1 – October 31	Annually	December 1

Ordered by:

tentative

JOHN H. ROBERTUS

Executive Officer

June 10, 2004

APPENDIX 1

ANNUAL SELF-MONITORING REPORT FORMS

California Regional Water Quality Control Board
San Diego Region

Monitoring and Report Program No. R9-2004-0065

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Annual Self Monitoring Report for November 1, 20_____ to October 31, 20_____

WDID No. 9 000000196

Date of report: _____

VAN OMMERING DAIRY
SAN DIEGO COUNTY

Directions:

1. *Respond to all questions. If a question does not pertain to your facility, write "Not Applicable" in the space provided.*
2. *Attach additional pages if necessary to further demonstrate compliance with waste discharge requirements or to answer any question in greater detail.*
3. *Make copies of this form for annual reporting, identifying the monitoring period on the line at the top of the page, and save the original as a master copy.*

Name and Address Changes:

Note any changes or corrections to the following:

1. Name of facility: Van Ommering Dairy
Address: 14950 El Monte Road
Lakeside, California 92040
Phone number: (619) 442-6433
2. Name of owner: Mr. Robert Van Ommering
Address: 14950 El Monte Road
Lakeside, California 92040
Phone number: (619) 442-6433
3. Facility contact: Mr. Robert Van Ommering
Phone number: (619) 442-6433

Animal Counts:

Report the maximum number of animals during the year.

1. Milking cows _____
2. Heifers _____
3. Dry cows _____
4. Calves _____

Manure and Wastewater Disposal:

Report the total quantity of manure produced during the year and how the manure was disposed of during the year as of October 31.¹

1. Total quantity of solid manure produced during the year: _____ cu. yds.
2. Total quantity of solid manure disposed on land owned or under the control of the dairy owner/operator: _____ cu. yds.
Number of acres manure applied to: _____ acres
Type of crop(s) grown: _____
3. Total quantity of solid manure sold or given away to public: _____ cu. yds.
4. Manure stockpiled on-site on October 31: _____ cu. yds.
5. Total volume of wastewater used for land irrigation. _____ ac.-ft.
Number of acres irrigated with wastewater: _____ acres
Type of crop(s) grown: _____

Waste Management Program:

The discharger shall describe any changes to the waste collection, management or disposal system during the past year. If physical changes have occurred, submit a map showing the new facilities.

- ☐ No changes to the waste management facilities and operation occurred during the year, or ☐ The following changes have been made. (attached additional sheets if necessary)

Groundwater Monitoring:

¹ The discharger may use the following as a basis for determining the amount of manure produced:
1 cow produces 6.7 cubic yards of manure per year
1 heifer produces 3.3 cubic yards of manure per year
1 calf produces 1.3 cubic yards of manure per year

Complete the following and attach a copy of the laboratory's analysis sheet.

1. Was the groundwater monitoring conducted according to the procedures prescribed by *Groundwater Monitoring, C* of the Monitoring and Reporting Program?

☐ Yes ☐ No, the procedures were modified as follows:(attached additional sheets if necessary)

2. Sampling Data

	Van Ommering Well # 1
Date sampled	
Time sampled	
Name of individual who performed sampling	
Name of laboratory and individual(s) who performed analyses	
Date analyses were performed	
Analytical techniques	
Analytical Results	
Groundwater Elevation	
pH (pH units)	
Total Dissolved Solids (mg/L)	
Nitrate (as N) (mg/L)	
Phosphorus (mg/L)	
Sodium (mg/L)	

* Submittal of laboratory sheets containing this information will satisfy these requirements

Compliance Statement:

The discharger shall discuss the dairy's compliance with Order No. R9-2004-0065. Review compliance statements below and check the appropriate box. You should include any pertinent information and describe any additional management measures or corrective actions taken or planned to achieve full compliance with the waste discharge requirements.

Compliance statement	Yes	No
Where all monitoring instruments and devices used to fulfill the monitoring program properly maintained and calibrated to ensure their continued accuracy?		
Where all flow measurement devices calibrated at least once per year to ensure continued accuracy of the devices?		
Were all discharges of wastes, including windblown spray and runoff of effluent applied for irrigation, to lands which have been specifically described to the Regional Board and for which valid waste discharge requirements are in force? If no, please explain.		
Did the wastewater or waste solids disposal operation cause any unusual odors or other nuisance beyond the limits of the dairy property? If yes, please explain.		
Were all facilities and systems of waste disposal (and related appurtenances), which are installed to achieve compliance with the conditions of the Order properly operated and maintained? If no, please explain.		
Were manured areas maintained to prevent nuisance conditions and managed to minimize infiltration of water into underlying soils? If no, please explain.		
To the best of your knowledge, was manure hauled off the dairy property properly disposed of to ensure that the water quality is not adversely affected in the area?		
Was the application of manure and wastewater to the disposal fields controlled by the discharger at rates that were no greater than 11.34 tons of total dry solids per acre per year? If no, please explain		
Was dry manure applied to cultivated croplands incorporated into the soil soon after application? If no, please explain.		
Were animals prevented from entering any surface water within the confined area? If no, please explain.		
Were water levels in the retention ponds sufficiently lowered by October 1st to provide adequate storage capacity prior to the beginning of the wet weather periods? If no, please explain.		

Comments:

Additional Comments:

Certification Statement:

Pursuant to Reporting Requirements E.9.d of Order No. R9-2004-0065, this report must be signed and certified by the discharger or a duly authorized representative of that person as follows:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed under Penalty of Perjury

Date

Print Name
